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<u>REMARKS</u>

Claims 21-44 are now pending in the application. Claims 1-20 have been cancelled.

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Applicants respectfully request reconsideration of the claims in view of the following

remarks.

REJECTION UNDER 35 U.S.C. § 112

Claims 21-44 are rejected under 35 U.S.C. § 112, first paragraph, as failing to

comply with the written description requirement.

The Examiner asserts that claim 21 recites "the V-GMLC sending the location"

estimate of the target UE to the target UE via the CN", and Examiner could not find support

from original specification. This assertion is respectfully traversed.

At least, original specification page 12, lines 17-19 of the present application

disclose "After receiving the location estimate of the target UE, the V-GMLC processes the

locating request and provides the target UE with the location estimate through the CN", at

least original specification page 16, lines 21-24, and steps 311 and 312 of Figure 3 of the

present application disclose "Then the V-GMLC returns to the CN the target UE location

report response with the corresponding content" and "after receiving the target UE location

report response, the CN returns to the target UE an LCS MO-LR response with the

corresponding content according to the content carried in the target UE location report

response".

Therefore, "the V-GMLC sending the location estimate of the target UE to the target

UE via the CN" recited in claim 21 is supported by the original specification.

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Thus, Applicant respectfully request withdrawal of the rejection of claims 21-44.

REJECTION UNDER 35 U.S.C. § 103

Claims 21-24, and 44 stand rejected under 35 U.S.C. § 103(a) as being

unpatentable over US 7,031,722 B2, Naghian, in view of US 2004/0203914 A1 Kall.

These rejections are respectfully traversed.

Applicant respectfully submits that the Naghian reference does not teach or suggest

all the limitations of claim 21-24, or 44. Naghian at best appears to show certain features

for positioning a mobile station and using mobile originated location request (MO-LR) for

circuit calls. An initially idled MS sends a CM (Connection Management) Service Request

indicating a request for an MOC (mobile originated call) to a 3G-MSC via a RNC. The 3G-

MSC may initiate procedures to obtain the location of the MS. Depending on local

regulatory requirements, the 3G-MSC may send a MAP subscriber location report to a

GMLC.

Applicant respectfully submits that Naghian fails to teach or suggest at least the CN

sending the location estimate of the target UE to a Visited Gateway Mobile Location Center

(V-GMLC) of the target UE, and the V-GMLC sending the location estimate of the target

UE to the target UE via the CN of claim 21.

Naghian at best shows that the 3G-MSC/VLR directly sends a

CM LCS REQUEST ACK to the MS and a MAP SUBSCRIBER LCS RESPO to the

GMLC, but does not disclose that the GMLC sends the

MAP SUBSCRIBER LCS RESPO to the ME.

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Therefore, the procedure of transmitting the MAP_SUBSCRIBER_LCS_RESPO of

Naghian differs from the claimed features of transmitting the location estimate of the target

UE of claim 21. The claimed features require that the CN sends the location estimate of

the target UE to the Visited Gateway Mobile Location Center (V-GMLC) of the target UE,

and then, the V-GMLC sends the location estimate of the target UE to the target UE via the

CN.

Furthermore, Naghian at best shows that the 3G-MSC/VLR sends two types of

messages, i.e. CM_LCS_REQUEST_ACK and MAP_SUBSCRIBER_LCS_RESPO, to MS

and GMLC, respectively. In contrast, Feature 1 and Feature 2 of claim 21 require a single

type of message, i.e. the location estimate of the target UE.

Thus, Naghian does not teach or suggest the CN sending the location estimate of

the target UE to a Visited Gateway Mobile Location Center (V-GMLC) of the target UE and

the V-GMLC sending the location estimate of the target UE to the target UE via the CN of

claim 21.

Furthermore, Naghian at best shows that the target UE specifies address

information of a GMLC of the target UE in the request. This leads to a technical problem

that if the current located CN of the target UE and the GMLC specified by the target UE are

in different networks, the current located CN of the target UE may not be able to access

the GMLC. That is to say, the CN would not use the GMLC of its network (i.e. a V-GMLC

to the target UE), but rather use the GMLC specified in the request (e.g. the H-GMLC of

the target UE).

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In contrast, claim 21 discloses that the V-GMLC sends the location estimate of the

target UE to the target UE via the CN, and the V-GMLC sends the location estimate of the

target UE to the target UE via the CN. Thus, one or more embodiments of claim 21 may

address the above mentioned technical problem.

Therefore, Naghian does not teach or suggest the CN sending the location estimate

of the target UE to the Visited Gateway Mobile Location Center (V-GMLC) of the target UE.

At the last paragraph of page 4 of the Office action, the Examiner asserts that one

skilled in the art would appreciate that the Naghian's GMLC can be a visited GMLC (V-

GMLC) or a home GMLC (H-GMLC) depending upon where the UE is located at the time.

When the UE is outside its own network (i.e roaming to or visiting a foreign network), this

GMLC can then be the GMLC associated with the network the UE is visiting, i.e. a Visited

GMLC.

Applicant respectfully traverses the Examiner's assertion. Applicant respectfully

submits that Naghian at best only shows a GMLC (Home PLMN or other PLMN) and 3G-

MSC. The 3G-MSC may have access to the GMLC for transforming the subscriber

information needed (e.g., for authorization and positioning access routing).

Even if one skilled in the art did appreciate that the Naghian's GMLC can be a

visited GMLC (V-GMLC) or a home GMLC (H-GMLC) depending upon where the UE is

located at the time, Naghian still would not teach or suggest how to send the location

estimate. Naghian merely disclose the 3G-MSC returns the location estimate to the

GMLC. For example, in Naghian, the 3G-MSC may send the location estimate to a home

GMLC (H-GMLC), a GMLC specified by the UE, or a GMLC specified in one request, and

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so on. Therefore, Naghian has a same or similar technical problem with that solved by

claim 21. For example, specification page 4, line 24 to page 5, line 20 of the present

application describe that

The aforesaid GMLC can be specified by the target UE in the LCS

MO-LR Location Services Invoke, or be randomly allocated by the CN

according to GMLC address information stored in the CN. In practical

network operation, when the address information of the GMLC is specified

by the target UE, if the current located CN of the target UE and the GMLC

specified by the target UE do not belong to the same network, the current

located CN of the target UE may not be able to access the GMLC; when the

address information of the GMLC is allocated by the CN, herein according to

the stored GMLC address information, the CN can allocate a GMLC that the

CN can directly access, but the GMLC may not be able to access the

specified requester, i.e. the GMLC that can directly access the requester is

not the GMLC allocated by the CN. Thus, the existing MO-LR process can

not provide the requester specified by the target UE with the location

information of the target UE, which greatly limits the development of the MO-

LR service.

Hence, Applicant respectfully submits that Naghian does not teach or suggest the

CN sending the location estimate of the target UE to a Visited Gateway Mobile Location

Center (V-GMLC) of the target UE because Naghian does not disclose that the 3G-MSC

sends the location estimate to a visited GMLC (V-GMLC).

For at least the above noted reasons, Naghian fails to teach or suggest all the

limitations of claim 21. Thus, Applicant respectfully requests withdrawal of the rejection of

independent claim 21.

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Dependent claims 22-24 depend directly or indirectly from independent claim 21

and incorporate all of the limitations thereof. Accordingly, for the reason established above

as well as the additional limitations, Applicant respectfully submits that claims 22-24 are

not obvious in light of the suggested combination and respectfully requests for allowance

of these claims.

Claims 25-43 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over

Naghian, in view of Kall, and further in view of US 7,277,711 B2, Nyu (hereinafter Nyu).

These rejections are respectfully traversed.

Similar to the arguments above with respect to claims 21-32, and 43-44, dependent

claims 25-32 and 43-44 depend directly or indirectly from independent claim 21 and

incorporate all of the limitations of independent claim 21. Accordingly, for the reason

established above as well as the additional limitations, Applicant respectfully submits that

claims 21-32, and 43-44 are not obvious in light of the suggested combination and

respectfully requests allowance of these claims.

Independent claim 33 discloses a method for processing location information

request initiated by a User Equipment, comprising the CN sending the location estimate of

the target UE to a V-GMLC of the target UE and the V-GMLC sending the location

estimate of the target UE to the target UE via the CN. Arguments similar to those with

respect to claim 21 apply to Claim 33. Thus, claim 33 should be allowable as well.

Accordingly, for the reason established above as well as the additional limitations,

dependent claim 34-42 are not obvious in light of the suggested combination. Applicant

respectfully requests allowance of these claims.

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CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed,

accommodated, or rendered moot. Applicant therefore respectfully requests that the

Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a

full and complete response has been made to the outstanding Office Action and the

present application is in condition for allowance. Thus, prompt and favorable consideration

of this amendment is respectfully requested. If the Examiner believes that personal

communication will expedite prosecution of this application, the Examiner is invited to

telephone the undersigned at (248) 641-1600.

Applicant believes no fee is due with this response. However, if a fee is due, please

charge our Deposit Account No. 08-0750, under Order No. 9896H-000086/US/NP from

which the undersigned is authorized to draw.

Dated: November 2, 2010

Respectfully submitted,

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